



Core Elements

As a result of a broad space weather program assessment of existing national assets, (G. Withbroe *et al.*) it was determined that some key system elements were missing and should be captured in the proposed NASA LWS program. These core elements are listed below and are described in further detail in this section.

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|------------------------------|---------------------|
| • Solar Dynamics Observatory | Single Spacecraft |
| • Radiation Belt Mappers | Small Constellation |
| • Ionospheric Mappers | Small Constellation |
| • Sentinels | |
| — Inner Heliospheric | Small Constellation |
| — Far Side | Single Spacecraft |

This section of the Pre-Formulation Study provides an overview for each of the referenced missions. Individual mission concepts are further detailed in Volume 2.

